Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Please amend the claims as shown in the following listing.

1-55. (Cancelled)

56. (Currently Amended) Plastic-based composite product comprising a plastic mass in which particles comprising wood are homogeneously embedded, which particles have tensile strength in a first particle direction, said product having a chosen principal product direction,

wherein the particles comprise:

small particles being fibers and having a random orientation and a length of 0.2-2 mm; and

large particles dominantly orientated such that their first particle direction is in said chosen principal product direction, said large particles being larger than said small particles and having a length in the first particle direction of about 2-6 mm, wherein the product is elongated and the chosen principal product direction is the longitudinal direction of the product.

57. (Previously Presented) Product as claimed in claim 56, wherein the particles are elongated.

58. (Cancelled)

4 ~~59.~~ (Currently Amended) Product as claimed in claim ~~58~~ 1 ~~56~~, wherein the wood particles consist of a material selected from the group consisting of fir, spruce, birch and poplar.

3 ~~60.~~ (Previously added) Product as claimed in claim 2 ~~57~~, wherein the large particles are fibers, and wherein the first particle direction is the longitudinal direction of each fiber.

5 ~~61.~~ (Previously added) Product as claimed in claim 1 ~~56~~, wherein the plastic mass is a thermoplastic polymer.

6 ~~62.~~ (Currently Amended) Product as claimed in claim 5 ~~61~~, ~~wherein the particles include particles of wood material,~~ wherein said wood material particles are elongated and have a length in the first particle direction and have a transverse dimension perpendicular to said first particle direction, the ratio between the length in the first particle direction and said transverse dimension being 4 or more, wherein the wood particles are present in the plastic mass in a quantity of 40-80% by mass, and wherein the product complies with the following requirements relating to mechanical properties in

- bending strength in the first particle direction: at least 8 Mpa
- bending modulus in the first particle direction: at least 3 Gpa
- tensile strength in the first particle direction: at least 6 Mpa
- tensile stress modulus in first particle direction: at least 3 Gpa
- ~~tensile strength transversely of first particle direction: at least 0.3 Mpa~~
- ~~tensile stress modulus transversely of first particle direction: at least 1 Gp~~.

7 ~~63.~~ (Previously Presented) Product as claimed in claim 6 ~~62~~, wherein the ratio lies in the range of 6-80.

8 ~~64.~~ (Previously Presented) Product as claimed in claim ~~62~~ 1, wherein the wood particles are present in the plastic mass in a quantity of 50-70% by mass.

12 ~~65.~~ (Previously Presented) Product as claimed in claim ~~61~~ 5, wherein the polymer is a polyolefin.

51

13 ~~66.~~ (Previously Presented) Product as claimed in claim ~~65~~ 12, wherein the polyolefin material is a material selected from the group consisting of polypropylene and polyethylene.

9 ~~67.~~ (Previously Amended) Product as claimed in claim ~~62~~ 6, wherein the particles include particles of non-wood material present in the plastic mass in a quantity of 3-25% by mass, said particles of non-wood material including fibers of natural cellulose polymer.

10 ~~68.~~ (Currently Amended) Product as claimed in claim [[67]] ~~62~~ 6, wherein ~~the~~ fibers of natural cellulose polymer are <u>also present and are</u> made from a material selected from the group consisting of flax, jute, hemp, sisal, coconut, bamboo and miscanthus.

11 ~~69.~~ (Previously Presented) Product as claimed in claim ~~62~~ 6, wherein the particles include particles of non-wood material present in the plastic mass in a quantity of 3-25% by mass, said particles of non-wood material including glass fibers with a length of 4-5 mm and a diameter of 0.013 mm and a ratio of length to diameter in the range of 300-400.

14 ~~70.~~ (Previously Presented) Product as claimed in claim ~~56~~ 1, wherein the large particles are plate-shaped having a main plane, the first particle direction extending in said main plane.

71.-72. (Cancelled).

15 ~~73.~~ (Previously Presented) Product as claimed in claim ~~56~~ 1, comprising at least one coloring agent or pigment.

16 ~~74.~~ (Currently Amended) Product as claimed in claim ~~56~~ 1, wherein the product is ~~forms~~ a plate-shaped layer, a skin layer being adhered to at least one of ~~the~~ sides of the plate-shaped layer.

17 ~~75.~~ (Previously Presented) Laminated product comprising a plurality of products according to claim ~~56~~ 1, wherein the products are plate-shaped and have main planes, and wherein the plate-shaped products are adhered to one another on their main planes.

J1

18 ~~76.~~ (Currently Amended) Plastic-based composite product comprising a plastic mass in which particles comprising wood are homogeneously embedded, which particles have tensile strength in a first particle direction, said product having a chosen principal product direction,

wherein the particles comprise:

small particles being fibers and having a random orientation and a length of 0.2-2 mm; and

large particles dominantly orientated such that their first particle direction is in said chosen principal product direction, said large particles being larger than said small particles and having a length in the first particle direction of about 2-6 mm, wherein the plastic mass is a thermoplastic polymer.

19 ~~77.~~ (Currently Amended) Product as claimed in claim ~~76~~ 18, ~~wherein the particles include particles of wood material,~~ wherein said wood material particles are elongated and have

J

a length in the first particle direction and have a transverse dimension perpendicular to said first particle direction, the ratio between the length in the first particle direction and said transverse dimension being 4 or more, wherein the wood particles are present in the plastic mass in a quantity of 40-80% by mass, and wherein the product complies with the following requirements relating to mechanical properties in

- bending strength in the first particle direction: at least 8 Mpa
- bending modulus in the first particle direction: at least 3 Gpa
- tensile strength in the first particle direction: at least 6 Mpa
- tensile stress modulus in first particle direction: at least 3 Gpa
- tensile strength transversely of first particle direction: at least 0.3 Mpa
- tensile stress modulus transversely of first particle direction: at least 1 Gpa.

20 ~~78.~~ (Previously Presented) Product as claimed in claim ~~77~~ 19, wherein the ratio lies in the range of 6-80.

21 ~~79.~~ (Previously Presented) Product as claimed in claim ~~77~~ 19, wherein the wood particles are present in the plastic mass in a quantity of 50-70% by mass.

22 ~~80.~~ (Previously Presented) Product as claimed in claim ~~76~~ 18, wherein the polymer is a polyolefin.

23 ~~81.~~ (Previously Presented) Product as claimed in claim ~~80~~ 22, wherein the polyolefin material is a material selected from the group consisting of polypropylene and polyethylene.